

ABSTRACT OF THE DISCLOSURE

5 An object recognition apparatus includes an input
section for inputting a first image set including a
predetermined number of images including a first image
representing a first target object using a first attribute
and a second image representing the first target object using
a second attribute different from the first attribute, a
feature vector calculation section for calculating a first
10 feature vector in a feature space having at least one filter
output value as a vector component, the at least one filter
output value being obtained by applying at least one
predetermined image filter to at least one predetermined
position in the predetermined number of images in the first
15 image set, and a judgment section for judging whether or
not the first target object is categorized into a specific
category based on a relationship between the first feature
vector and predetermined discriminant parameters.

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